

REMARKS

This Amendment is filed in response to the Office Action dated July 2, 2003, which has a shortened statutory period set to expire October 2, 2003.

Applicants respectfully submit that the cited references, either individually or in combination, fail to disclose or suggest Applicants' invention. Specifically, Claim 1, as amended, now recites in part,

receiving over the network interface from a remote computer the phone application code and a plurality of selectable types of debugging events usable in a call flow.

This ability to select one or more types of debugging events allows a developer to view information generated by different debugging events. Specification, page 25, lines 17-18. Types of debugging events could include, for example:

errors representing compile-time and run-time errors in preparing the application for execution or executing the application;

general flow traces that follow the phone application state transitions as VoiceXML containers are entered and/or exited;

event traces that follow the phone application events, e.g. which events are being "thrown" and where and how they are being "caught", if at all;

field fill traces that track the results of fields being filled, i.e. the form-field metaphors used by VoiceXML together with filling to receive information from users;

variable traces that track the setting and reading of variables, thereby facilitating review of the program logic and function; and

custom traces defined by a developer, e.g. VoiceXML extensions. Specification, page 25, line 20 to page 26, line 23.

None of the cited references disclose or suggest receiving selected types of debugging events usable in a call flow. Therefore, such references cannot provide the advantages of Applicants' invention.

For example, Burg teaches a system that allows an operator to monitor an automated translation of a Web menu structure to an interactive voice response (IVR) menu structure with prompts and responses and further allows that operator to modify the proposed IVR menu structure and resolve questions. Col. 8, lines 12-26. However, Burg fails to teach anything regarding the recited selected type of debugging.

House fails to remedy the deficiency of Burg. Specifically, House teaches that a help desk computer can debug an application while a user interacts with that application. Col. 6, line 67 to Col. 7, line 1. Specifically, a help desk technician can set breakpoints in the source code and watch variables to assist the user in debugging the application. Col. 7, lines 13-17. To set up this three-way communication, a development client, which is provided at the help desk machine, can generate a debug proxy file and provide this file to the user computer using a communication link. Col. 7, lines 36-42.

A debug control embedded in the debug proxy is executed by a user computer to save the development client address and to download an application HTML file associated with an application into the user computer. Col. 7, lines 41-46. Application logic associated with the application is downloaded into an application server in a debug mode. Col. 7, lines 51-54. A debug connection is then opened between the development client and the application server. Col. 7, lines 55-57.

This debug connection allows the development client, i.e. the help desk technician, to control execution of the application. Col. 7, lines 57-59. This can be accomplished by the help desk technician inserting test code, setting flags, examining variables, or by other methods. Col. 7, lines 59-61. Next, the application is executed on the application server in the debug mode to generate debug data. Col. 7, lines 61-63. Finally, the debug data is presented to the user on the application interface via the web server and the browser. Col. 7, lines 63-65.

Applicants submit that contrary to the characterization in the Office Action, House fails to teach receiving a plurality of selectable types of debugging events. House, in col. 7, lines 8-17, teaches that the help desk technician can set breakpoints in the source code and watch variable, or could use many other techniques to assist the user in debugging the application. This general statement does not teach that multiple "techniques" are selectable or that these "techniques" are received from a remote computer that also sends the phone application code. The general statement in House clearly does not teach anything regarding the specific debugging events recited in Claims 3, 8, and 22 (thereby providing additional reasons for patentability for those claims).

Therefore, nothing in House teaches anything about phone application code or receiving a plurality of selectable types of debugging events usable in a call flow. Thus, House cannot help the user directly debug the application. Instead, House requires the use of the help desk technician to debug the application. Applicants note that the application taught by House is an HTML application (i.e. an Internet application), not a phone application code. Therefore, House certainly cannot execute the phone application code, present an audio output over

the telephone interface, or even present the call flow using the selected types of debugging events. Based on the above reasons, Applicants submit that House fails to remedy the deficiency of Berg.

Curreri fails to remedy the deficiency of Berg and House. Specifically, Curreri teaches a debugger that retrieves data from a mapping data structure. Col. 12, lines 62-63. This mapping data structure includes the data identifying data change point instructions. Col. 12, lines 63-64. The debugger uses that data to control execution of a program such that, in response to a user command, execution of the program is stopped at a data change point instruction. Col. 12, lines 65-67. Of importance, nothing in Curreri teaches anything about phone application code or receiving a plurality of selectable types of debugging events usable in a call flow.

Because the cited references, either individually or in combination, fail to disclose or suggest Applicants' recited plurality of selectable types of debugging events usable in a call flow, Applicants request reconsideration and withdrawal of the rejection of Claim 1.

Claims 2-6 depend from Claim 1 and therefore are patentable for at least the reasons presented for Claim 1. Based at least on those reasons, Applicants also request reconsideration and withdrawal of the rejection of Claims 2-6.

Claim 7, as amended, now recites in part:

receiving over the network interface from a remote computer the phone application code and a plurality of selectable types of debugging events usable in a call flow.

Applicants respectfully submit that Claim 7 is patentable for the same reasons presented for Claim 1. Therefore,

Applicants request reconsideration and withdrawal of the rejection of Claim 7.

Claims 8 and 9 depend from Claim 7 and therefore are patentable for at least the reasons presented for Claim 7. Based on those reasons, Applicants also request reconsideration and withdrawal of the rejection of Claims 8 and 9.

Claim 10, as amended, now recites in part:

receiving over the network interface from a remote computer a reference to the phone application code and a plurality of selectable types of debugging events usable in a call flow.

Applicants respectfully submit that Claim 10 is patentable for substantially the same reasons presented for Claim 1. Therefore, Applicants request reconsideration and withdrawal of the rejection of Claim 10.

Claims 11-14 depend from Claim 10 and therefore are patentable for at least the reasons presented for Claim 10. Based on those reasons, Applicants also request reconsideration and withdrawal of the rejection of Claims 11-14.

Claim 15, as amended, now recites in part:

receiving over the web interface a uniform resource identifier (URI) from a second computer system, the URI corresponding to the location of a phone application, and a plurality of selectable types of debugging events usable in a call flow.

Applicants respectfully submit that Claim 15 is patentable for substantially the same reasons presented for Claim 1. Therefore, Applicants request reconsideration and withdrawal of the rejection of Claim 15.

Claims 16-27 depend from Claim 15 and therefore are patentable for at least the reasons presented for Claim 15. Based on those reasons, Applicants also request reconsideration and withdrawal of the rejection of Claims 16-27.

Claim 28, as amended, now recites in part:

a network interface for receiving a reference to the phone application code and a plurality of selectable types of debugging events usable in a call flow.

Applicants respectfully submit that Claim 28 is patentable for substantially the same reasons presented for Claim 1. Therefore, Applicants request reconsideration and withdrawal of the rejection of Claim 28.

Claim 29, as amended, now recites in part:

means for receiving over the web interface a plurality of selectable types of debugging events usable in a call flow.

Applicants respectfully submit that Claim 29 is patentable for substantially the same reasons presented for Claim 1. Therefore, Applicants request reconsideration and withdrawal of the rejection of Claim 29.

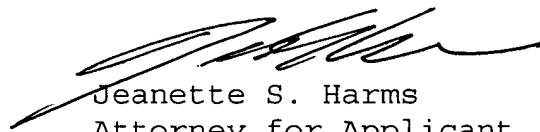
CONCLUSION

Claims 1-29 are pending in the present Application.  
Applicants respectfully request allowance of these claims.

If there are any questions, please telephone the  
undersigned at 408-451-5907 to expedite prosecution of this  
case.

Respectfully submitted,

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9/18/03        
Date                      Signature